Project Narrative

Integrative genomic analyses provide a method for jointly analyzing the many genomic variants that contribute to disease. Existing statistical methods work in limited settings and fail to give consideration to error propagated in intermediate steps of analysis. Methods to allow for both the expanded use of these integrative approaches and the quantification of error are essential to gaining more complete, reproducible insight into the complex genomic basis of diseases like asthma and chronic obstructive pulmonary disease.